

Network Verification Tool

Babak Nader

Biren Fondekar

Christopher Cook

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Abstract

10 A network verification tool is presented that allows a user to easily create
tasks for a collection of task types. The collection of task types are hosted by probe
network devices that are coupled to a network under test. The network under test
includes network devices executing generic network software and particular
15 hardware or software that is being tested. The probe network devices are coupled
to an NVT server, which transmits tasks to the task types and interfaces with one or
more NVT clients. The NVT clients can create tasks by entering the appropriate
parameters within templates supplied by the NVT server. Any collection of task
types can be included in the network verification tool, including traffic generators,
20 traffic analyzers, large network emulators, session emulators, device queries and
script tasks.

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